

## ENGINEERING CHANGE NOTICE

Page 1 of 2

1. ECN 196027

Proj.  
ECN

## 2. ECN Category (mark one)

Supplemental ☒ [X]  
Direct Revision ☐  
Change ECN ☐  
Temporary ☐  
Standby ☐  
Supersedeure ☐  
Cancel/Void ☐

## 3. Originator's Name, Organization, MSIN, and Telephone No.

JM AYRES/100 AREA RI/H6-02/6-3918

## 4. Date

4/16/03

## 5. Project Title/No./Work Order No.

DOW FOR VADOSE DRILLING IN 100-FR-1, WHC-SD-  
EN-AP-091, Rev 2, P711A

## 6. Bldg./Sys./Fac. No.

740 STEVENS

## 7. Impact Level

3Q

8. Document Numbers Changed by this ECN  
(includes sheet no. and rev.)

WHC-SD-EN-AP-091, Rev 1 2

## 9. Related ECN No(s).

196026

## 10. Related PO No.

NA

## 11a. Modification Work

☐ Yes (fill out Blk.  
11b)☒ No (NA Blks. 11b,  
11c, 11d)11b. Work Package  
No.

NA

## 11c. Modification Work Complete

NA

Cog. Engineer Signature &amp; Date

11d. Restored to Original Condi-  
tion (Temp. or Standby ECN only)

NA

Cog. Engineer Signature &amp; Date

## 12. Description of Change

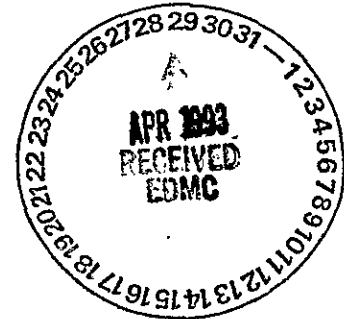
Section 3.1.2, First Paragraph 1st sentence: Remove "by the geologist"

First Paragraph, Delete 3rd sentence ("Radionuclides will be ... Appendix A")

Second Paragraph, add the following action levels:

Screening/Sampling Criteria: Radionuclides = 100 cpm above site background

VOC = 5 ppm above site background

13a. Justification  
(mark one)As-Found ☒ [X]Criteria Change ☐ [ ]Facilitate Const. ☐ [ ]Design Improvement ☐ [ ]Const. Error/Omission ☐ [ ]Environmental ☒ [X]Design Error/Omission ☒ [X]

## 13b. Justification Details

ADDITIONS TO CLARIFY FIELD PROCEDURES

## 14. Distribution (include name, MSIN, and no. of copies)

JM AYRES H6-02  
RP HENCKEL H6-02  
GS CORRIGAN H4-16  
CENTRAL FILES (2) L8-04  
EDMC (2) H6-08

## RELEASE STAMP

OFFICIAL RELEASE (11)  
BY WHC

DATE APR 16 1993

Station # 12

## ENGINEERING CHANGE NOTICE

Page 2 of 2

1. ECN (use no. from pg. 1)

196027

15. Design Verification Required [ ] Yes [X] No	16. Cost Impact		17. Schedule Impact (days)	
	ENGINEERING	CONSTRUCTION	Improvement [ ]	Delay [ ]
	Additional [ ] \$	Additional [ ] \$		
	Savings [ ] \$	Savings [ ] \$		

18. Change Impact Review: Indicate the related documents (other than the engineering documents identified on Side 1) that will be affected by the change described in Block 12. Enter the affected document number in Block 19.


Document	Document	Document
SDD/DD [ ]	Seismic/Stress Analysis [ ]	Tank Calibration Manual [ ]
Functional Design Criteria [ ]	Stress/Design Report [ ]	Health Physics Procedure [ ]
Operating Specification [ ]	Interface Control Drawing [ ]	Spares Multiple Unit Listing [ ]
Criticality Specification [ ]	Calibration Procedure [ ]	Test Procedures/Specification [ ]
Conceptual Design Report [ ]	Installation Procedure [ ]	Component Index [ ]
Equipment Spec. [ ]	Maintenance Procedure [ ]	ASME Coded Item [ ]
Const. Spec. [ ]	Engineering Procedure [ ]	Human Factor Consideration [ ]
Procurement Spec. [ ]	Operating Instruction [ ]	Computer Software [ ]
Vendor Information [ ]	Operating Procedure [ ]	Electric Circuit Schedule [ ]
OM Manual [ ]	Operational Safety Requirement [ ]	ICRS Procedure [ ]
FSAR/SAR [ ]	IEFD Drawing [ ]	Process Control Manual/Plan [ ]
Safety Equipment List [ ]	Cell Arrangement Drawing [ ]	Process Flow Chart [ ]
Radiation Work Permit [ ]	Essential Material Specification [ ]	Purchase Requisition [ ]
Environmental Impact Statement [ ]	Fac. Proc. Samp. Schedule [ ]	
Environmental Report [ ]	Inspection Plan [ ]	
Environmental Permit [ ]	Inventory Adjustment Request [ ]	

19. Other Affected Documents: (NOTE: Documents listed below will not be revised by this ECN.) Signatures below indicate that the signing organization has been notified of other affected documents listed below.

Document Number/Revision	Document Number/Revision	Document Number/Revision

## 20. Approvals

Signature	Date	Signature	Date
OPERATIONS AND ENGINEERING		ARCHITECT-ENGINEER	
Cog. Engineer JM AYRES	4/16/93	PE	
Cog. Mgr. RP HENCKEL	4/16/93	QA	
QA GS CORRIGAN	4-16-93	Safety	
Safety		Design	
Security		Environ.	
Environ.		Other	
Projects/Programs			
Tank Waste Remediation System			
Facilities Operations		DEPARTMENT OF ENERGY	
Restoration & Remediation		Signature or Letter No.	
Operations & Support Services			
IRM		ADDITIONAL	
Other			

Date Received: 4/16/93 <i>AS</i>		INFORMATION RELEASE REQUEST		Reference: WHC-CM-3-4	
Complete for all Types of Release					
<b>Purpose</b>			ID Number (include revision, volume, etc.) <i>ECN196027</i>		
<input type="checkbox"/> Speech or Presentation <input type="checkbox"/> Full Paper (Check only one suffix) <input type="checkbox"/> Summary <input type="checkbox"/> Abstract <input type="checkbox"/> Visual Aid <input type="checkbox"/> Speakers Bureau <input type="checkbox"/> Poster Session <input type="checkbox"/> Videotape			<input checked="" type="checkbox"/> Reference <input type="checkbox"/> Technical Report <input type="checkbox"/> Thesis or Dissertation <input type="checkbox"/> Manual <input type="checkbox"/> Brochure/Flier <input type="checkbox"/> Software/Database <input type="checkbox"/> Controlled Document <input type="checkbox"/> Other		
			List attachments. <i>SD-EN-AP-091 Rev2</i>		
			Date Release Required 4/16/93		
Title Description of Work for Vadose Drilling in the 100-FR-1 Operable Unit				Unclassified Category UC-NA	
				Impact Level 3Q	
New or novel (patentable) subject matter? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If "Yes", has disclosure been submitted by WHC or other company? <input type="checkbox"/> No <input type="checkbox"/> Yes Disclosure No(s).			Information received from others in confidence, such as proprietary data, trade secrets, and/or inventions? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Identify)		
Copyrights? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If "Yes", has written permission been granted? <input type="checkbox"/> No <input type="checkbox"/> Yes (Attach Permission)			Trademarks? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Identify)		
Complete for Speech or Presentation					
Title of Conference or Meeting <i>NA</i>			Group or Society Sponsoring <i>NA</i>		
Date(s) of Conference or Meeting <i>NA</i>		City/State <i>NA</i>		Will proceedings be published? <input type="checkbox"/> Yes <input type="checkbox"/> No Will material be handed out? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Title of Journal <i>NA</i>					
CHECKLIST FOR SIGNATORIES					
Review Required per WHC-CM-3-4		Yes		No	
Classification/Unclassified Controlled Nuclear Information		<input type="checkbox"/>		<input checked="" type="checkbox"/>	
Patent - General Counsel		<input type="checkbox"/>		<input checked="" type="checkbox"/>	
Legal - General Counsel		<input type="checkbox"/>		<input checked="" type="checkbox"/>	
Applied Technology/Export Controlled Information or International Program		<input type="checkbox"/>		<input checked="" type="checkbox"/>	
WHC Program/Project		<input type="checkbox"/>		<input checked="" type="checkbox"/>	
Communications		<input type="checkbox"/>		<input checked="" type="checkbox"/>	
RL Program/Project		<input type="checkbox"/>		<input checked="" type="checkbox"/>	
Publication Services		<input type="checkbox"/>		<input checked="" type="checkbox"/>	
Other Program/Project		<input type="checkbox"/>		<input checked="" type="checkbox"/>	
Information conforms to all applicable requirements. The above information is certified to be correct.					
References Available to Intended Audience		Yes <input checked="" type="checkbox"/>		No <input type="checkbox"/>	
Transmit to DOE-HQ/Office of Scientific and Technical Information		<input type="checkbox"/>		<input checked="" type="checkbox"/>	
Author/Requestor (Printed/Signature) <i>JM AYRES</i>		Date <i>4/16/93</i>		<b>INFORMATION RELEASE ADMINISTRATION APPROVAL STAMP</b> Stamp is required before release. Release is contingent upon resolution of mandatory comments. 	
Intended Audience					
<input type="checkbox"/> Internal <input type="checkbox"/> Sponsor <input checked="" type="checkbox"/> External					
Responsible Manager (Printed/Signature) <i>RP HENCKEL</i>		Date <i>4/16/93</i>		Date Cancelled	
				Date Disapproved	